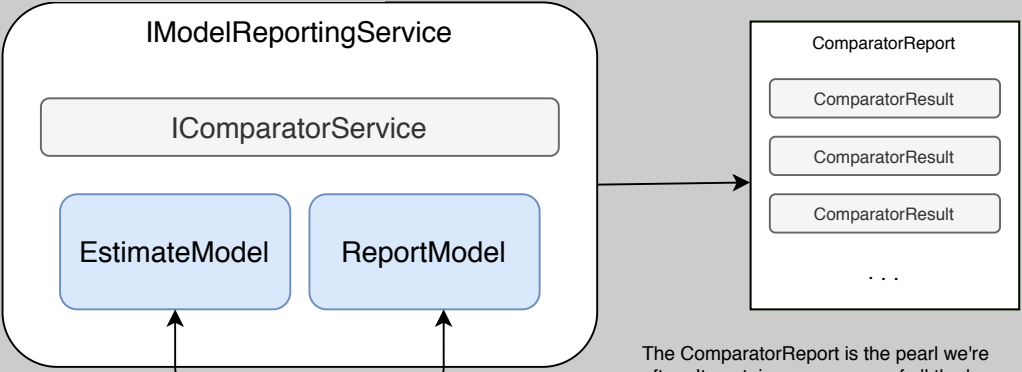


# Estimating.VSTO

## CORE FUNCTIONALITY

This diagram illustrates the core logic functions for the VSTO. Omitted from the diagram are the SQLService, all metadata objects used for validation, and all classes involved in writing data to the database or report templates.

### 3. Process the Data

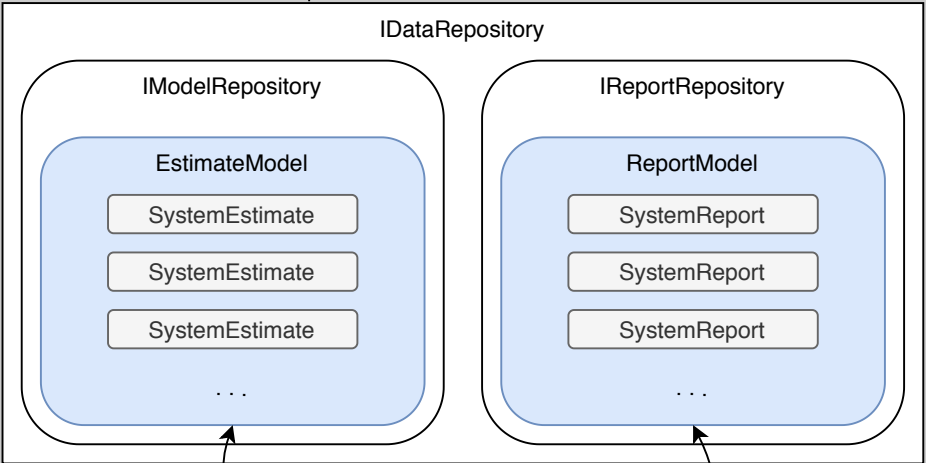


The EstimateModel and ReportModel are fetched from the repositories and sent to the ModelReportingService to be processed.

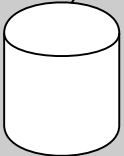
The ComparatorReport is the pearl we're after. It contains a summary of all the key information we need and any reports or recording will make use of this object. It is also the only public property of the ModelReportingService, whose sole purpose is to produce this item.

### 4. Report the Results

### 2. Build Up Data Objects

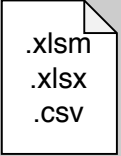


The Estimate Model is populated from the database records by the SQLService. The model is populated when a project number is provided by the user.



Database

The Report Model is populated from files included in the approved data formats. Mike D will be writing this portion of the program. Reuse of the functionality should be reflected in the design.



Weekly Report

### 1. Read Data

## Model

Note: the Model contains definition of data objects; the appearance of a flat heirarchy is deceiving, since some data objects contain others. The purpose here is to simply list the objects, not illustrate their relationships to each other.

SystemEstimate

PhaseCode

SystemReport

EstimateModel

ReportModel